

CLAIMS: I claim:

1. A conveyor guidance system for distributing material into a plurality of storage receptacles in a horizontal array, comprising:
 - a substantially horizontally oriented circular guide means supported above said receptacles, said circular guide means having a predetermined diameter;
 - a substantially horizontally oriented linear guide means extending at least the length of said predetermined diameter of said circular guide means and mounted to rotate thereon, and
 - a substantially horizontally oriented conveying means mounted to linear guide means for moving linearly, said conveying means having at least one discharge end,whereby by adjusting said circular guide means and said linear guide means, said conveying means can distribute said material to any of an infinite number of discharge points above said receptacles, with minimal energy inputs and amount of linear meters of horizontal conveyor.
2. The conveyor guidance system of claim 1 wherein said circular guide means comprises at least one circular track, a first trolley means, and a second trolley means, said first and second trolley means each comprising at least one wheel connected to at least one rod, and at least one load bar supporting said rod, said load bar of said first trolley means supporting said second trolley means, said second trolley means being attached substantially perpendicularly to said first trolley means, said load bar of said second trolley means supporting said linear guide means, said first trolley means being movable along said circular guide means, said linear guide means being movable along said second trolley means, and said conveying means being mounted on said linear guide means.
3. The conveyor guidance system of claim 1 wherein said circular guide means comprises at least one circular track and a first trolley means, said first trolley means comprising at least one wheel being connected to at least one rod and at least one load bar supporting said rod and connecting to said linear guide means, said linear guide means being mounted on said load bar of said first trolley means, said linear guide means comprising a second trolley means that moves linearly along said linear guide means, said second

trolley means comprising at least one wheel being connected to at least one rod and at least one load bar supporting said rod, said conveying means mounting to said load bar of said second trolley means.

4. The conveyor guidance system of claim 1, further including a first control means for achieving rotation of said linear guide system along said circular guide system, and a second control means for achieving linear movement of said conveying means.
5. The conveyor guidance system of claim 1 wherein said conveying means comprises at least one conveyor, said conveyor being reversible so that either end can serve as a discharge end.
6. The conveyor guidance system of claim 1 wherein said conveying means comprises at least one conveyor, said conveyor being uni-directional, so that one end serves as a discharge end and the other end serves as a tail end.
7. A horizontally-oriented, rotating and translating conveying system with an infinite number of discharge points for distributing material to a plurality of horizontally arrayed storage receptacles, comprising:
 - at least one circular guide system having a first trolley means, said circular guide system comprising at least one circular track,
 - at least one linear guide system, said linear guide system mounted on said first trolley means, said linear guide system comprising a plurality of parallel linear tracks and a second trolley means connecting to said parallel linear tracks, and
 - at least one horizontal conveying means mounted on said second trolley means,whereby by adjusting said circular guide means and said linear guide means, said conveying means can distribute said material to any of an infinite number of discharge points above said receptacles.
8. The conveying system of claim 7 wherein said first and second trolley means comprise wheels with rods, said rods connecting to wheels, said trolley means further comprising

load bars, said load bars supporting said rods, said load bar from said first trolley means supporting said linear tracks, said load bar from said second trolley means supporting said conveying means.

9. The conveying system of claim 7, further including a first control means for rotating said linear guide system along said circular guide system, and a second control means for moving said conveying means along said linear guide system.
10. The conveying system of claim 7 wherein said conveyor is reversible so that either end can serve as a discharge end.
11. A conveyor guidance system for distributing material into a plurality of storage receptacles in a horizontal array, comprising:
 - a substantially horizontally oriented circular guide means supported above said plurality of storage receptacles,
 - a substantially horizontally oriented linear guide means supported by said circular guide means,
 - said circular guide means having a predetermined diameter and comprising at least a first trolley means and a second trolley means,
 - said first and second trolley means each comprising at least one wheel connecting with at least one rod, said rod being supported by at least one load bar, said load bar of said second trolley means being attached substantially perpendicularly to said load bar of said first trolley means, said wheels of said second trolley means supporting said linear guide means, said first trolley means being movable along said circular guide means,
 - a substantially horizontally oriented conveying means mounted to said linear guide means, so that said linear guide means and attached said conveying means move linearly along said second trolley means, and
 - said linear guide means rotates along said circular guide means with said first trolley means, whereby by adjusting said circular guide means and said linear guide means, said conveying means can distribute said material to any of an infinite number of discharge points above said receptacles, with a minimal amount of linear meters of horizontal conveyor.

12. The conveyor guidance system of claim 10, further including a first control means for rotating said first trolley means along said circular guide means, and a second control means for moving said linear guide means along said second trolley means.
13. The conveyor guidance system of claim 10 wherein said conveying means comprises a conveyor, said conveyor being reversible so that either end can serve as a discharge end.
14. The conveyor guidance system of claim 10 wherein said circular guide system comprises at least one concentric arcuate track and said linear guide system comprises at least one linear track.
15. A method of filling a plurality of storage receptacles, comprising:
 - (a) providing a substantially horizontally oriented circular guide system,
 - (b) providing a substantially horizontally oriented linear guide system, said linear guide system being mounted to said circular guide system with at least a first trolley means,
 - (c) providing a substantially horizontally oriented conveyor, said conveyor being mounted on said linear guide system,
 - (d) moving said conveyor laterally along said linear guide system, and rotating said linear guide system along said circular guide system, so as to position a discharging end of said conveyor over a selected receptacle from said plurality of storage receptacles.
16. The method of claim 15, further including a horizontal array of storage receptacles positioned under said guide system
17. The method of claim 15 wherein said circular guide system comprises at least one concentric track.
18. The method of claim 15 wherein said linear guide system comprises at least one linear track.

19. The method of claim 15, further including a second trolley means, said second trolley means being fixed to and positioned at about 90 degrees from said first trolley means, said linear guide system being attached to said second trolley means, so that said linear guide means is attached directly to and moves linearly with said conveyor along said second trolley means.
20. The method of claim 15, further including a second trolley means, said second trolley means being attached to said conveyor, so that said conveyor shuttles along said linear guide means, said linear guide means being attached directly to said first trolley means.